

What is Claimed is:

1. A process for the preparation of L-lysine, comprising:
 - a) fermenting an L-lysine producing coryneform bacteria in a culture medium, the bacteria having at least an overexpressed gene encoding 6-phosphogluconate dehydrogenase;
 - b) concentrating L-lysine produced by said fermenting in the culture medium or in the cells of the bacteria; and
 - c) isolating the L-lysine produced;
 wherein intracellular activity of pyruvate oxidase encoded by a pyruvate oxidase gene is decreased or switched off in the bacteria.

2. The process according to claim 1, wherein an endogenous gene encoding 6-phosphogluconate dehydrogenase is used as the overexpressed gene encoding 6-phosphogluconate dehydrogenase.

3. The process according to claim 1, wherein the overexpressed gene encoding 6-phosphogluconate dehydrogenase is produced by transforming the bacteria with a plasmid vector carrying at least a gene encoding 6-phosphogluconate dehydrogenase and a promoter.

4. The process according to claim 1, wherein the bacteria is a strain of the genus *Corynebacterium*.

5. A process for the preparation of an L-amino acid, comprising:
 - a) fermenting an L-amino acid producing coryneform bacteria in a culture medium, the bacteria having at least an overexpressed gnd gene encoding 6-phosphogluconate dehydrogenase;
 - b) concentrating L-amino acid produced by said fermenting in the culture medium or in the cells of the bacteria; and
 - d) isolating the L-amino acid produced;
 wherein intracellular activity of pyruvate oxidase encoded by a pyruvate oxidase gene is decreased or switched off in the bacteria; and

wherein the L-amino acid is selected from the group consisting of L-threonine, L-isoleucine and L-tryptophan.

6. An L-lysine producing coryneform microorganism having increased intracellular
5 activity of 6-phosphogluconate dehydrogenase and decreased intracellular activity of pyruvate oxidase.
7. The plasmid vector pEC-T18mob2 deposited under the designation DSM 13244 in *E. coli* K-12 DH5.
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8. A coryneform microorganism transformed by introduction of the plasmid vector of claim 7, the coryneform microorganism also having a gene encoding 6-phosphogluconate dehydrogenase.
- 15 9. The coryneform microorganism of claim 8, wherein the coryneform microorganism is of the genus *Corynebacterium*.